

ABSTRACT OF THE DISCLOSURE

A personal viewer system includes a head-mounted display linked to an optical generator which receives images from an electronic image source.

- 5 The head-mounted display includes a scanner which receives light-based optical images from the optical generator and scans these images onto at least one ellipsoid reflector positionable in front of the eye of a user, such that a scanned image is reflected into the eye of the user. Preferably, the at least one ellipsoid reflector has an inner surface that is only partially reflective so as
- 10 to permit viewing therethrough. The head-mounted display may include a motion orientation sensor for altering the generated image as the user's head is moved.